

IN THE CLAIMS:

Please amend the claims as follows.

1.-28. (Cancelled)

29. (New) A method for designing of a roller cone drill bit, comprising:

generating a first design of a roller cone drill bit;

simulating the first design of the roller cone drill bit in an earth formation to
obtain first simulation results;

generating a second design of the roller cone drill bit based on the first simulation
results;

simulating the second design of the roller cone drill bit in the earth formation to
obtain second simulation results; and

comparing the first simulation results and the second simulation results to obtain
comparative results; and

generating a third design of the roller cone drill bit based on the comparative
results.